

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Kiyoshi HAYASE

SERIAL NO: NEW APPLICATION

GAU:

FILED: HEREWITH

EXAMINER:

FOR: MULTIPROCESSOR SYSTEM CAPABLE OF EFFICIENTLY DEBUGGING PROCESSORS

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment form is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



Marvin J. Spivak

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**C. Irvin McClelland**  
**Registration Number 21,124**

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DOCKET NO: 242358US2

Sheet   1   of   1  

IN RE APPLICATION OF: Kiyoshi HAYASE

SERIAL NO: New Application

FILED: Herewith

FOR: MULTIPROCESSOR SYSTEM CAPABLE OF EFFICIENTLY DEBUGGING  
PROCESSORS

**STATEMENT OF RELEVANCY**

Reference AW on Form PTO- 1449:

**“JTAG debugging of a diversified CPU”, M. Yura, Design Wave Magazine, February 2000, CQ Publishing Co., Ltd., pp. 38-45.**

According to this document, in case plural processors are built in one silicone, each processor is to mount an interface for debugging. In this case, a scanning chain becomes long, and response of debugging and downloading take substantial amount of time.

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

242358US2

SERIAL NO.

NEW APPLICATION

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Kiyoshi HAYASE

FILING DATE

HEREWITH

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	2002-73363	03/12/02	Japan (with English extract)		x
	AP	2002-24201	01/25/02	Japan (with English extract)		x
	AQ	2001-202269	07/27/01	Japan (with English extract)		x
	AR					
	AS					
	AT					
	AU					
	AV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	M. YURA, "JTAG Debugging of a Diversified CPU", DESIGN WAVE MAGAZINE, February 2000, CQ Publishing Co., Ltd., pgs. 38-45				
	AX					
	AY					
	AZ					<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.